

# Robert M Kerr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3028175/publications.pdf>

Version: 2024-02-01

8  
papers

210  
citations

1163117  
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8  
docs citations

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times ranked

142  
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#	ARTICLE	IF	CITATIONS
1	Velocity and scaling of collapsing Euler vortices. <i>Physics of Fluids</i> , 2005, 17, 075103.	4.0	37
2	Vortex Stretching as a Mechanism for Quantum Kinetic Energy Decay. <i>Physical Review Letters</i> , 2011, 106, 224501.	7.8	37
3	Swirling, turbulent vortex rings formed from a chain reaction of reconnection events. <i>Physics of Fluids</i> , 2013, 25, 065101.	4.0	36
4	Bounds for Euler from vorticity moments and line divergence. <i>Journal of Fluid Mechanics</i> , 2013, 729, .	3.4	29
5	Vorticity moments in four numerical simulations of the 3D Navier–Stokes equations. <i>Journal of Fluid Mechanics</i> , 2013, 732, 316-331.	3.4	25
6	Enstrophy and circulation scaling for Navier–Stokes reconnection. <i>Journal of Fluid Mechanics</i> , 2018, 839, .	3.4	22
7	Trefoil knot timescales for reconnection and helicity. <i>Fluid Dynamics Research</i> , 2018, 50, 011422.	1.3	14
8	Topology of interacting coiled vortex rings. <i>Journal of Fluid Mechanics</i> , 2018, 854, .	3.4	10